International application No. PCT/SF 2004/000901

	· ·	FC1/3L 2004	7 000301
A. CLASS	SIFICATION OF SUBJECT MATTER		
IPC7: 0	CO7D 417/12, CO7D 417/14, CO7D 40: CO7D 413/04, CO7D 413/14, A61K 31, o International Patent Classification (IPC) or to both n	1/04, CO7D 403/04, CO7D 40 /541, 31/54, A61P, 11/00,25/2	3/14, 28,25/00,9/00
		ational crassification and IPC	
	S SEARCHED ocumentation searched (classification system followed b	v classification symbols)	
	CO7D, A61K, A61P	, 4400	
	tion searched other than minimum documentation to the	e extent that such documents are included	in the fields searched
	FI,NO classes as above		
Electronic d	ata base consulted during the international search (nam	e of data base and, where practicable, searc	h terms used)
WPT-DAT	TA, EPO-INTERNAL, PAJ, CHEM.ABS.DA	ATA	
	MENTS CONSIDERED TO BE RELEVANT		
		and into of the selected agreement	Relevant to claim No.
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim 140.
Х	Bioorganic & Medicinal Chemistry Issue 13, 7 July 2003, A. Ro "4-Amino-2-(aryl)-butylbenza	oderick MacKenzie et al:	1-32
	conformationally constrained antagonists of the human neu receptor", pages 2211-2215	d analogues. Potent	
x	WO 0020003 A1 (ZENECA LIMITED), (13.04.2000)	13 April 2000	1-32
			
X	WO 0002859 A1 (ZENECA LIMITED), (20.01.2000)	20 January 2000 .	1-32
		•	
X Furthe	er documents are listed in the continuation of Box	α C. X See patent family annex	ζ.
Special	categories of cited documents:	"T" later document published after the int	emational filing date or priority
to be of	nt defining the general state of the art which is not considered particular relevance application or patent but published on or after the international	date end not in conflict with the appli the principle or theory underlying the	cation but cited to understand invention
filing da	ate at which may throw doubts on priority claim(s) or which is	"X" document of particular relevance: the considered novel or cannot be conside step when the document is taken alone	red to involve an inventive
special:	establish the publication date of another citation or other reason (as specified) nt referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance: the considered to involve an inventive ste combined with one or more other such	p when the document is
	nt published prior to the international filing date but later than rity date claimed	being obvious to a person sidled in the "&" document member of the same patent	
Date of the	actual completion of the international search	Date of mailing of the international	
7 Octob	per 2004	0 2 -12- 2004	4
Name and	mailing address of the ISA/	Authorized officer	
	Patent Office S-102 42 STOCKHOLM	EVA JOHANSSON/BS	
	No. +46 8 666 02 86	Telephone No. + 46 8 782 25 00	

Facsimile No. +46 8 666 02 86
Form PCT/ISA/210 (second sheet) (January 2004)

International application No.
PCT/SE 2004/000901

C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	T
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Х	EP 0625509 A1 (ZENECA LIMITED), 23 November 1994 (23.11.1994)	1-32
A	WO 0034243 A1 (ASTRAZENECA UK LIMITED), 15 June 2000 (15.06.2000)	1-23,25-32
K		24
A	EP 0630887 A1 (ZENECA LIMITED), 28 December 1994 (28.12.1994)	1-32
4	WO 9727185 A1 (PFIZER RESEARCH AND DEVELOPMENT COMPANY), 31 July 1997 (31.07.1997)	1-32
4	US 6013652 A (MACCOSS ET AL), 11 January 2000 (11.01.2000)	24
\	 WO 9610568 A1 (MERCK & CO., INC.), 11 April 1996 (11.04.1996)	24
		·
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2 Claims Nos.: 28-29 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Claims 28-29 relate to methods of treatment of the human or animal body by surgery or by therapy or diagnostic methods
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
The International Search Authority considers that there are two inventions covered by the claims indicated as follows:
I: Claims: 1-32 directed to novel azetidine derivatives and the intermediate with formula (IV) for those compounds
···/···
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-23, part 24, 25-32
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

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practiced on the human or animal body (PCT Rule 39.1(iv)). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds or compositions.

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Box III

mentioned in claim 24

II: Claim 24 directed to the intermediate with formula (VI) for those compounds mentioned in the claim

The ISA has carried out a partial search which relates to invention I mentioned above.

The applicant is invited to pay an additional fee for of the inventions II as listed above.

The present application has been considered to contain two inventions which are not linked such that they form a single general inventive concept, as required by Rules 13.1, 13.2 and 13.3 PCT for the following reasons:

Invention I relates novel therapeutical compounds with formula I, which are neurokinin-receptor antagonists and the intermediates with formula (IV) and (V).

Invention II relates to different intermediates.

In order to fulfil the requirements of unity of invention, it is necessary that the intermediate compounds are closely interconnected with the end products. Such close connection requires that the essential structural part of the end product is incorporated by the intermediate compound. However, the present application lacks a single general inventive concept based on the above principle. This leads to the presence of the subjects listed above, each falling under its own restricted inventive concept.

As both problems and solutions are technically so different, no single general concept can be formulated based on the technical features of the inventions. Consequently, the requirements of Rule 13.1 PCT are not met.

It was investigated under Rule 13.2 if any further features, either in the claims or derivable from the description, could be considered as a same or corresponding feature and which could be considered a special technical feature establishing a technical link between the (two) groups of inventions. In particular it was investigated if ... (eventuellt samband mellan de olika uppfinningarna).

No such features were identified.

Consequently, two groups of inventions are not so linked as to form a single general inventive concept as required by Rule 13.1 PCT.

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